10th Class 2019					
Math (Science)		Group-II		PAPER-II	
		(Objective Type)		Max. Marks: 15	
Note: Four possible answers A, B, C and D to each question are given. The choice which you think is correct, fill that circle in front of that question with Marker or Pen ink in the answer-book. Cutting or filling two or more circles					
	will result in ze	ro mark in t	hat questi	on.	
1-1-	A fraction in	which the degree of t	degree d he denom	of the numerator is ninator is called	
	(a) An equation	n (b)	An impro	per fraction	
	(c) An identity	(d)	A proper	fraction 1	
2-	A circle has o	nly one			
	(a) Secant	(b)	Chord		
	(c) Diameter	. (d)	Centre √		
3-	$\frac{1}{1+\sin\theta}+\frac{1}{1-\frac{1}{2}}$	$\frac{1}{\sin \theta}$:			
•	(a) $2 \sec^2 \theta$ v	(b)	$2\cos^2\theta$		
	(c) sec ² A	(d).	cos θ		
4-	How many co	les?		n be drawn for two	
	(a) 1	(b)	2	and the same of the	
	(c) 3 1/	(d)	4		
5-	The number equation is:			solve a quadratic	
	(a) 1	(b)			
	(c) 3 1	(d)			
6-	Power set of an empty set is:				
	(a) o	(b)	{a}		
	(c) {\d {a}}}	(d)	{φ} √		
7- The symbol for a triangle is denoted by:				oted by:	
	(a) ∠	(b)	Δ 1		
	(c) 1	(d)	0		

8-	In a ratio a : b, a is called:				
	(a) Relation	(b) Antecedent 1			
	(c) Consequent				
9-	The length of a chord and the radial segment				
	circle are congruent, then the central angle made by				
	the chord will be				
	(a) 30°	(b) 45°			
	(c) 60° √	(d) 75°			
10-	If A and B are disjoint sets, then $A \cup B$ is equal to:				
	(a) A	(b) B			
	(c) ¢	(d) B∪A 1/			
11-	Two square roots of unity are:				
•	(a) 1, −1 1⁄	(b) 1, ω			
F. J.	\ - 1	(d) ω , ω^2			
12-	The third proportional of x ² and y ² is:				
		(b) x ² y ²			
	(a) $\frac{y^2}{x^2}$				
	V^4	(d) $\frac{y^2}{y^4}$			
	(c) $\frac{y^4}{x^2} $	(u) x^4			
13-	A histogram is a set of adjacent:				
	(a) Squares	(b) Rectangles 1/			
	(c) Circles	(d) Triangles			
14-	Sum of cube roots of unity is:				
	(a) 0 1/	(b) 1			
	(c) -1	(d) 3			
4 -	$\frac{3\pi}{2}$ radians =				
15-	$\frac{3\pi}{4}$ radians =				
	(a) 115°	(b) 135° √			
	(c) 150°	(d) 30°			